1 2 3 4	THE EMBODIMENTS OF THE INVENTION IN WHICH AN EXCLUSIVE PROPERTY OR PRIVILEGE IS CLAIMED ARE DEFINED AS FOLLOWS:
5	<ol> <li>Apparatus for printing indicia on an external surface of</li> </ol>
6	cylindrical ammunition having an axis comprising:
7	a plurality of inkjet print heads for spraying preprogrammed indicia
8	on the ammunition;
9	a conveyor for carrying a plurality of cylindrical ammunition thereon
10	and for rotating the cylindrical ammunition about the ammunitions axis while
11	traversing the plurality of inkjet print heads for printing the preprogrammed indicia
12	thereabout; and
13	a controller for causing the pre-programmed indicia to be sprayed
14	on the ammunition as the ammunition is rotated.
15	
16	2. The apparatus as described in claim 1 wherein the inkjet
17	print heads spray UV curable ink and further comprises:
18	a UV source for curing the UV-curable ink,
19	wherein the UV source is positioned in a housing through which the
20	printed ammunition are conveyed by the conveyor.
21	
22 .	3. The apparatus as described in claim 1 wherein the
23	preprogrammed indicia is a camouflage pattern.
24	

1		4.	The	apparatus	as	described	in	claim	1	wherein	the
2	controller is a	comp	uter.								
3											
4		5.	The	apparatus	as	described	in	claim	1	wherein	the
5	ammunition is	s a sho	tshell	further com	prisi	ng a case a	nd a	hull at	tac	hed theret	.o.
6											
7		6.	The a	apparatus as	des	scribed in cla	aim	5 furthe	er c	omprising	:
8		a plura	ality of	f spindles pr	ojec	ting from the	e cc	nveyor	for	· insertion	into
9	and engagen	nent of	f an o	pen end of	a s	hotshell cas	e fo	or rotata	able	e conveya	nce
10	thereof; and										
11		means	for o	orienting the	sh	otshell to pr	ese	nt the	ope	en end of	the
12	case to the s	pindle 1	for en	gagement th	ered	on.					
13											
14		7.	The a	apparatus a	s de	scribed in c	laim	6 whe	reii	n the spin	dles
15	are carried ro	tatably	on th	e conveyor	for r	otating the s	hot	shells ti	her	eon.	
16											
17		8.	The a	apparatus a	s de	scribed in c	laim	6 furth	ner	comprisin	g at
18	least one driv	ve belt,	drive	n in an oppo	site	direction to	a d	irection	of	the conve	yor,
19	and operable	to eng	age th	ne rotatable	spin	dles causin	g ro	tation th	nere	eof.	
20											
21		9.	The a	apparatus a	s de	scribed in c	lain	n 8 furtl	her	comprisir	ng a
22	idler belt posi	itioned	on an	opposing s	ide d	of the conve	yor	to the d	Irive	e belt to a	id in
23	engagement	of the	drive b	elt with the	spin	dles positio	ned	therebe	etw	een.	

1	10. The apparatus as described in claim 6 further comprising a
2	rack and wherein the spindles further comprise pinions for engaging the rack and
3	rotating the spindles therebetween.
4	
5	11. The apparatus as described in claim 6 wherein a distal end
6	of each of the plurality of spindles further comprises a magnet for engaging a
7	metal hull and attached case thereon.
8	
9	12. The apparatus as described in claim 1 wherein the plurality
10	of inkjet printer heads further comprises:
11	at least one printer head for printing yellow;
12	at least one printer head for printing cyan; and
13	at least one printer head for printing magenta.
14	
15	13. A method of applying indicia about an external surface of
16	cylindrical ammunition comprising:
17	providing a plurality of ammunition;
18	orienting the ammunition for application of the indicia thereon; and
19	applying the indicia to a substantial portion of an entire outer
20	surface of the ammunition.
21	

'	14. The method as described in claim 13 further comprising
2	rotating the ammunition about an axis while applying the indicia.
3	
4	15. The method as described in claim 14 further comprising
5	controlling one or more ink jet print heads for applying a preprogrammed indicia
6	to the substantial portion of the entire outer surface of the ammunition.
7	
8	16. The method as described in claim 14 further comprising
9	controlling one or more ink jet print heads for applying a preprogrammed indicia
10	to the substantial portion of the entire outer surface of the ammunition,
11	wherein the preprogrammed indicia is a camouflage pattern.
12	
13	17. The method as described in claim 13 further comprising:
14	pre-treating the substantial portion of the entire outer surface of the
15	ammunition using a corona treatment; and
16	controlling one or more ink jet print heads for applying a
17	preprogrammed indicia to the substantial portion of the entire outer surface of the
18	ammunition using a solvent-based ink.
19	

1	18. The method as described in claim 13 wherein the
2	ammunition is a shotshell, each shotshell having a case and attached hull, the
3	method further comprising:
4	orienting the shotshells so as to present an open end of the case to
5	a conveyor spindle;
6	engaging the open end of the case with the conveyor spindle;
7	actuating the conveyor to cause the engaged shotshells to be
8	rotatably passed adjacent a plurality of inkjet print heads;
9	actuating the inkjet print heads to spray ink for imparting the indicia
10	about substantially the entire external surface of each shotshell; and
11	removing the shotshells from the conveyor.
12	
13	19. The method according to claim 18 wherein the inkjet ink is
14	UV curable ink and following actuating the inkjet printer heads to impart the
15	indicia, further comprising:
16	exposing the shotshells to a UV source for curing the ink sprayed
17	thereon.
18	
19	20. The method as described in claim 13 wherein the indicia
20	printed on the ammunition is a camouflage pattern.
21	

1	21. The method as described in claim 20 wherein the inkjet print					
2	heads are actuated by a controller, the controller being programmed with the					
3	camouflage pattern.					
4						
5	22. The method as described in claim 13 further comprising:					
6	applying the indicia to a heat transfer sleeve;					
7	positioning the heat transfer sleeve over at least a portion of the					
8	external surface of the ammunition; and					
9	applying sufficient heat to the heat transfer sleeve to cause the heat					
10	transfer sleeve to shrink and bond to the external surface of the ammunition.					
11						
12	23. The method as described in claim 20 further comprising:					
13	applying non-glare ink to a portion of the ammunition left uncovered					
14	by the heat transfer sleeve.					
15						
16	24. The method as described in claim 20 wherein the indicia					
17	applied to the heat transfer sleeve is a camouflage pattern.					
18						
19	25. A camouflaged ammunition comprising a substantially					
20	cylindrical outer surface,					
21	wherein indicia is applied to substantially the entire outer surface.					
22						

1	26. The camouflaged ammunition as described in claim 25
2	wherein the indicia comprises at least a camouflage pattern.
3	
4	27. The camouflaged ammunition as described in claim 25
5	wherein the indicia comprises:
6	a camouflaged pattern covering a portion of the outer surface; and
7	a non-glare ink covering a remaining portion of the outer surface.
8	
9	28. The camouflaged ammunition as described in claim 25
10	wherein the ammunition is a shotshell.